


[Back to Previous Page](#)

### **50-Gbit/s AGC and modulator driver amplifier ICs based on InP/InGaAs HBT technology**

Watanabe, K.; Hashimoto, M.; Kudo, H.; Uchiyama, H.; Ohta, H.; Uchi, K.; Takeyari, R.; Indium Phosphide and Related Materials, 2003. International Conference on , 12-16 May 2003  
Page(s): 370 -373

### **A 9 mW OFDM demodulator LSI for narrow-bandwidth ISDB-T**

Fukuda, K.; Watanabe, K.; Ouchi, M.; Tokunaga, N.; Kamada, T.; Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on , 17-19 June 2003  
Page(s): 90 -91

### **Exoskeleton for human upper-limb motion support**

Kiguchi, K.; Tanaka, T.; Watanabe, K.; Fukuda, T.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 2 , Sept. 14-19, 2003  
Page(s): 2206 -2211

### **New finishing system for metallic molds using a hybrid motion/force control**

Nagata, F.; Watanabe, K.; Kusumoto, Y.; Tsuda, K.; Yasuda, K.; Yokoyama, K.; Mori, N.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 2 , Sept. 14-19, 2003  
Page(s): 2171 -2175

### **A common reference object concept to cooperative transportation**

Xin Yang; Watanabe, K.; Izumi, K.; Kiguchi, K.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 1 , Sept. 14-19, 2003  
Page(s): 515 -520

### **Evolutionary acquisition of handstand from backward giant circle by a three-link rings gymnastic robot**

Yamada, T.; Watanabe, K.; Kiguchi, K.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 1 , Sept. 14-19, 2003  
Page(s): 779 -784

### **Adaptive modular vector field control for robot contact tasks in uncertain environment**

Saitoh, Y.; Zhiwei Luo; Watanabe, K.; Systems, Man and Cybernetics, 2003. IEEE International Conference on , Volume: 4 , Oct. 5-8, 2003  
Page(s): 3645 -3650

### **43Gb/s full-rate-clock 16:1 multiplexer and 1:16 demultiplexer with SFI-5 interface inSSGge BiCMOS technology**

Koyama, A.; Harada, T.; Yamashita, H.; Takeyari, R.; Shiramizu, N.; Ishikawa, K.; Ito, M.; Suzuki, S.; Yamashita, T.; Yabuki, S.; Ando, H.; Aida, T.; Watanabe, K.; Ohhata, K.; Takeuchi, S.; Chiba, H.; Ito, A.; Yoshioka, H.; Kubota, A.;

Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003  
Page(s): 1 -10

**An on-chip high speed serial communication method based on independent ring oscillators**

*Kimura, S.; Hayakawa, T.; Horiyama, T.; Nakanishi, M.; Watanabe, K.;*  
Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003  
Page(s): 1 -8

**Powder LSI: an ultra small RF identification chip for individual recognition applications**

*Usami, M.; Sato, A.; Sameshima, K.; Watanabe, K.; Yoshigi, H.; Imura, R.;*  
Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003  
Page(s): 1 -10

**Descending layers routing: a deadlock-free deterministic routing using virtual channels in system area networks with irregular topologies**

*Koibuchi, M.; Jouraku, A.; Watanabe, K.; Amano, H.;*  
Parallel Processing, 2003. Proceedings. 2003 International Conference on , 6-9 Oct. 2003  
Page(s): 527 -536

**Self-hold, precisely controllable and low power consumption optical cross-connect switch using ultrasonic micro motors**

*Oohira, F.; Iwase, M.; Watanabe, K.; Ishimaru, I.; Hashiguchi, G.; Mihara, Y.; Iino, A.;*  
Optical MEMS, 2003 IEEE/LEOS International Conference on , 18-21 Aug. 2003  
Page(s): 147 -148

**Embracing requirements variety for e-governments based on multiple product-lines frameworks**

*Aoyama, M.; Watanabe, K.; Yu Nishio; Moriwaki, Y.;*  
Requirements Engineering Conference, 2003. Proceedings. 11th IEEE International , 8-12 Sept. 2003  
Page(s): 285 -285

**A seed selection procedure for LFSR-based random pattern generators**

*Ichino, K.; Watanabe, K.; Arai, M.; Fukumoto, S.; Iwasaki, K.;*  
Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia and South Pacific , 21-24 Jan. 2003  
Page(s): 869 -874

**VCDS tool demonstration [virtual core based design system]**

*Morizawa, R.K.; Tanaka, K.; Watanabe, K.; Kaitsu, Y.; Hanamura, S.; Shinsha, T.; Muraoka, M.;*  
Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia and South Pacific , 21-24 Jan. 2003  
Page(s): 459